SECRET Approved For Release 2007/07/25 : CIA-RDP78B04747A000100070017-2 25X1 CONTRACT INSPECTION REPORT DALE TO: 3 Nov 64 ENGINEERING SECTION/CB/PD/OL INSPECTION REPORT NO. (If final, so state) ESTIMATED COMPLETION DATE COMPLETED NAME OF CONTRACTOR 25X1 TYPE OF COMMODITY OR SERVICE Image Enhancement Device THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS | YES | NO IF ANSWER IS "NO" ADVISE REC-THE CONTRACTOR IS ON SCHEDULE FUNDS TYES NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE. ON YES N O IF KNOWN, INDICATE MAGNITUDE OF ADDI REVERSE HEREOF. 100% PER CENT OF WORK COMPLETED TIONAL FUNDS INVOLVED. Declass Review. NIMA/DoD HAS AN INTERIM REPORT. FINAL REPORT. PROTOTYPE. OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD?  $\boxed{X}$  YES  $\boxed{}$  NO (If yes, give details on reverse side.) Final Report received. HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? (If yes, indicate items, quantity, and cost on reverse side.) OVERALL PERFORMANCE OF CONTRACTOR UNSATISFACTORY BELOW AVERAGE 7. ABOVE AVERAGE OUTSTANDING BARELY ADEQUATE AVERAGE EXCELLENT IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE. RECOMMENDED ACTION WITHHOLD PAYMENT PENDING CONTINUE AS PROGRAMMED SATISFACTORY PERFORMANCE OTHER (Specify)Contract being settled. х TERMINATE IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT ATTACH COMMENTS IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING: DOES NOT DOES NOT REC'D ITEM REC'D ITEM APPLY APPI Y MANUALS PROTOTYPES DRAWINGS AND SPECIFICATIONS FINAL REPORT SPECIAL TOOLING PRODUCTION AND/OR OTHER OTHER GOVERNMENT PROPERTY DATE OF LAST CONTACT WITH CONTRACTOR 15 Sept 64 25X1 DIVISION 25X1

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| l. | Contract has been completed.   |          |
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| 2. | Item is being delivered to for | storage. |

- 3. Item is usable for parts only.
- 4. Delivery of the item has been delayed for many months primarily because efforts were being made to make some practical use of the unit.

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| TYPE OF COMMODITY OR SERVICE  |  |  |  |   |                                   |   |  |
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FORM 3-64 1897 USE PREVIOUS SECRET GROUP 1 Excluded from automatic Approved For Release 2007/07/25 : CIA-RDP78B04747A000100070017-2

An analysis of the Image Enhancement Device has revealed that the unit is an operational failure, even though all reasonable effort was made by the contractor to produce a practical image enhancement mechanism. It has been generally agreed that further improvement of the present device cannot be bought with additional time and money.

25X1

25X1

, the previous contract monitor, stated in a 6 March 1963 trip report, "It is the opinion of the contract monitor that the time and money expended on this program was well spent and personnel directly responsible for the program conscientiously exploited all means at their disposal to fulfill the terms of the contract and that failure to accomplish their design objectives is a forthright and honest failure".

25X1

From 1 March 1963, no further work has been expended on the image enhancement program other than preparation of the final report, dated June 1963. The unit has been stored at the plant pending decision on a proposed program with

to replace the present output stage of the enhancer with a laser output stage making use of piezo electric crystals for modulation and scanning.

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It has since been determined that little would be gained by use Enhancer in any further work involving image enhancement concepts. This is due to serious design deficiencies in the input and intermediate stages of the

It is therefore recommended that final settlement be made and that the contract be closed out.

for storage and The enhancer should be shipped to possible future use of its enclosure or other salvagable parts.

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| Approved For Release 2007/07                                     | 7/25 : CI | A-RDP78         | BB04747A00010007                     | 70017-2 No.                             |             |             |
| CONTRACT INSTACTION RE   | PORT      |                 |                                      |   |             |             |
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|  | OT.       |                 | 8 April 1963<br>NSPECTION REPORT NO. | (If final so                            | state)      |             |
| ENGINEERING SECTION/CB/PD/OL                                     |           |                 |                                      | (11 1111111, 00                         | ,           | ļ           |
|  |           | F               | STIMATED COMPLETION D                | ATE                                     |             |             |
|  |           |                 | 26 February                          |   |             |             |
| ME OF CONTRACTOR   |           |                 | 05)/4                                |   |             |             |
|  |           |                 | 25X1                                 |   |             |             |
|  |           |                 |                                      |   |             |             |
| PE OF COMMODITY OR SERVICE                                       |           |                 |                                      |   |             |             |
| Image Enhancement Device   |           |                 |                                      |   |             |             |
| E CONTRACTOR IS ON SCHEDULE                                      |           |                 | THE CONTRACTOR WILL PR               | F1                                      |             | OCATED      |
| X YES NO   |           |                 | YES YES                              | <u> </u>                                | O ADE SATIS | FACTORY     |
| E CONTRACTOR WILL COMPLETE TASK WITHIN                           | ALLOTTE   | D TIME          | ALL PHASES OF THE TECH               |   | 0 ·         | T ACTON     |
| X YES NO   |           |                 | <u> </u>                             |   |             |             |
| HAS AN INTERIM REPORT, FINAL RE                                  | -DART DE  | OTOTYPE (       | OR OTHER END ITEM BEEN               | RECEIVED FROM                           | THE CONTR   | RACTOR      |
| HAS AN INTERIM REPORT. FINAL RI                                  | If ye     | s, give de      | tails on reverse side                | .)                                      |             |             |
|  |           |                 |                                      |   |             |             |
| OVER   |           |                 | oron number THIS                     | e BEBIOD?                               | YES X       | No.         |
| HAS GOVERNMENT OWNED PROPERTY (If yes, indicate items, quantity, | BEEN DEL  | on revers       | CONTRACTOR DURING THIS<br>e side.)   | , FERIODI                               | ے ۱۰۰۰      | <b>.</b>    |
| (11 yes, Indiana III   |           |                 |                                      |   |             |             |
|  |           |                 |                                      |   |             |             |
| 0\   | ERALL P   | ERFORMANC       | E OF CONTRACTOR                      |   |             |             |
| OUTSTANDING 3. EXCE  | LENT      |                 | 5. ACCEPTABLE                        | 7.                                      | UNSAT       | ISFACTORY   |
| UNISTANDING TO   |           |                 | 6. BARELY ADEQU                      | IATE                                    |             |             |
| SUPERIOR 4. A. HIGH  | LY SATISF | FACTORY         | 6. BARELY ADEQU                      |   |             |             |
| IF OVERALL PERFORMANCE OF CONT                                   | RACTOR I  | S UNSATISE      | ACTORY OR BARELY ADEQ                | UATE, INDICATE                          | REASONS O   | N           |
| REVERSE SIDE.  |           |                 |                                      |   |             |             |
|  |           | RECOMMEND       | ED ACTION                            |   |             |             |
|  |           |                 | WITHHOLD PAYM                        | IENT PENDING                            |             |             |
| CONTINUE AS PROGRAMMED   |           |                 | SATISFACTORY                         |   |             |             |
| · · · · · · · · · · · · · · · · · · ·                            |           |                 | OTHER (Specif                        | F )                                     |             |             |
| X TERMINATE  |           |                 | O(HER (Special                       | • · · · · · · · · · · · · · · · · · · · |             |             |
|  |           |                 | INAL DEBODT CERTIFY.                 | THAT ALL DELIV                          | ERABLE ITE  | MS          |
| IF TERMINATION IS RECOMMENDED UNDER THE CONTRACT HAVE BEEN RECEI | OR IF T   | ESE INCLUD      | E. WHERE APPLICABLE,                 | THE FOLLOWING:                          |             |             |
| See nobe   | on re     | <u>verse si</u> | de                                   |   | 1           | Tagg No     |
| ITEM   | REC'D     | DOES NOT        | 1TEM                                 |   | REC'D       | DOES NO     |
|  |           | APPLY           |                                      |   |             | <b></b>     |
| ROTOTYPES  |           |                 | MANUALS<br>FINAL REPORT              |   |             |             |
| DRAWINGS AND SPECIFICATIONS                                      |           |                 | SPECIAL TOOLING                      |   |             |             |
| PRODUCTION AND/OR OTHER END ITEMS                                |           |                 | OTHER GOVERNMENT PROF                | PERTY                                   |             | <u> </u>    |
| DATE OF LAST CONTACT WITH CONTRACTOR                             |           |                 |                                      |   |             |             |
| 6 Merch 1963   |           |                 |                                      |   |             |             |
|  |           |                 | DIVISION                             |   |             | 25X1        |
|  |           |                 | 1996.TVC                             |   | •           |             |
|  | ***       |                 | Pads                                 |   |             |             |
| NSPECTOR'S EXTENSION   |           |                 |                                      |   |             |             |
| 3308   |           |                 |                                      |   |             |             |
| 3300   |           |                 | 1                                    |   |             |             |

As a result of the final inspection on 28 February 1963 the instrument was rejected and recommendations for final disposition are contained in a memorandum to the Assistant for Plans and Development dated 6 March 1963.

| Approved For Release 200   | 7/07/25  | ربيء<br>CIA-RI : 5 | \                                 | 00070017-2 —       |                      |           |  |
|--|----------|--------------------|-----------------------------------|--------------------|----------------------|-----------|--|
| CONTRACT INSTACTION RE   | DODT     |                    | CONTINUE NO.                      | 25X1               |                      |           |  |
| CONTRACT TROPECTION RE   | _1 0/(1  |                    |                                   | T.O.               | #1                   |           |  |
| ):   |          |                    | DATE                              |                    |                      |           |  |
|  |          |                    | 6 February :                      | 1963               |                      |           |  |
| ENGINEERING SECTION/CB/PD/OL   |          |                    | INSPECTION REPORT NO.             | (If final, so st   | (If final, so state) |           |  |
|  |          |                    | 12                                | ·                  |                      |           |  |
|  |          |                    | ESTIMATED COMPLETION              |                    |                      |           |  |
|  |          |                    | 15 August 19                      | 962                |                      |           |  |
| ME OF CONTRACTOR   |          |                    |                                   | 1                  | 25>                  | (1        |  |
|  |          |                    |                                   |                    |                      |           |  |
| PE OF COMMODITY OR SERVICE   |          |                    |                                   | J                  |                      |           |  |
| TE OF COMMODITION DERVICE  |          |                    | •                                 |                    |                      |           |  |
| Image Enhancement Device   |          |                    |                                   |                    |                      |           |  |
| HE CONTRACTOR IS ON SCHEDULE YES X NO                                |          |                    | THE CONTRACTOR WILL P             | ROBABLY REMAIN WI  | THIN AI              | LOCATED   |  |
| HE CONTRACTOR WILL COMPLETE TASK WITH!                               | N ALLOTT | ED TIME            | ALL PHASES OF THE TEC             | CHNICAL PROGRESS A | RE SAT               | SFACTORY  |  |
| OV OUTSTANDING 3. EXCEL  |          | ERFORMANO          | CE OF CONTRACTOR  5. X ACCEPTABLE | 7.                 | ] UNSA               | risfactor |  |
| SUPERIOR 4. HIGHL  IF OVERALL PERFORMANCE OF CONTE                   | Y SATISI |                    | 6. BARELY ADEQU                   | -                  | ASONS (              | Ν         |  |
|  |          | RECOMMEND          | DED ACTION                        |                    |                      |           |  |
| CONTINUE AS PROGRAMMED   |          |                    | WITHHOLD PAYN                     |                    |                      |           |  |
| TERMINATE  |          |                    | OTHER (Specif                     | fy)                |                      |           |  |
| IF TERMINATION IS RECOMMENDED<br>UNDER THE CONTRACT HAVE BEEN RECEIV |          |                    |                                   |                    | BLE ITE              | MS        |  |
| ITEM   | REC'D    | DOES NOT           | ITEM                              |                    | REC D                | DOES N    |  |
| OTOTYPES   |          | -                  | MANUALS                           |                    |                      |           |  |
| AWINGS AND SPECIFICATIONS  |          |                    | FINAL REPORT                      |                    |                      | 1         |  |
| ODUCTION AND/OR OTHER  |          |                    | SPECIAL TOOLING                   |                    |                      |           |  |
| ID ITEMS   |          |                    | OTHER GOVERNMENT PROP             | PERTY              |                      |           |  |
| TE OF LAST CONTACT WITH CONTRACTOR                                   |          |                    |                                   |                    |                      |           |  |
| 3.0 JAN 1963   |          |                    |                                   |                    |                      |           |  |
|  |          |                    | DIVISION                          |                    |                      | 25        |  |
|  |          |                    | MPIC                              | PADS               |                      |           |  |
| 3308   |          |                    |                                   |                    |                      |           |  |
| 2300   |          |                    |                                   |                    |                      |           |  |
| PRM 1897   |          | SEC                | RET Excluded from out             | tomatic            |                      | (12-      |  |

| TO: Inspection Branch/PD/OL                  | DATE 9 November 1962           |
|--|--------------------------------|
| REPORT PERIOD: October 1962                  | CONTRACT #                     |
| 25X1   | REPORT #(If final, so state)   |
| Contractor                                   |                                |
| Address Los Angeles, California              |                                |
| Commodity/Service Device Classificati        | on <b>Unclassified</b>         |
| No. Of PrototypesContract Com                | pletion Date 15 August 1962    |
| The Contract is on schedule: Yes             | <b>X</b> No                    |
| The Contractor will remain within his alloca | ted funds: Yes X No            |
| An extension of time will be necessary:      | YesNo                          |
| All phases of the technical progress are sat | ifactory: Yes No               |
| The overall performance of this Contractor i | s: 🗷 Satisfactory              |
| NOTE: If unsatisfactory or subject to im-    | Subject to improvement         |
| provement indicate reasons under comments.   | Unsatisfactory                 |
|  |                                |
| Comments: Overrum approved by TDC. Plant     | Inspection in movember 1902.   |
|  |                                |
|  |                                |
|  |                                |
|  |                                |
| Recommended Action:                          |                                |
|  |                                |
|  | 25X1                           |
| Date of last visit to Contractor's Plant:    |                                |
|  | Inspected by:                  |
|  | Division & Extension TRUS 3591 |

| TO: Inspection Branch/PD/OL  | DATE   |
|--|--|
|  | 1 October 1962<br>CONTRACT #                             |
| REPORT PERIOD:   | REPORT 25X1  |
|  | (If final, so state)                                     |
| 25X1   |  |
| Contractor   |  |
| Address ice agains, Gulliumin  |  |
| Commodity/Service Classifica   | tion Maillesiffee  |
| No. Of Prototypes 1 Contract Com   | •  |
| The Contract is on schedule: Yes   |  |
| The Contractor will remain within his allocate   |  |
| An extension of time will be necessary:  |  |
| All phases of the technical progress are satif   |  |
| The overall performance of this Contractor is:   |  |
|  |  |
| NOTE: If unsatisfactory or subject to improvement indicate reasons under   | Subject to improvement                                   |
| comments.  | /  |
| Overvor approved by the Technica   |  |
| Comments:  |  |
|  |  |
|  |  |
|  |  |
|  | and a company of the company                             |
| Continue remearch & de   | verojumo pueso   |
| Recommended Action:  |  |
|  | 25X1 .   |
|  | Will visit and   |
| Date of last visit to Contractor's Plant:  |  |
|  |  |
|  | Inspected by:  |
| The Article of the Control of the Co | Division & Extension GROUP                               |
|  | Excluded from automatic downgrading and declassification |

| : Inspection Branch/PD/OL  | DATE 27 July 1962                   |
|--|-------------------------------------|
| EPORT PERIOD:  | CONTRACT #                          |
|  | REPORT # 7 (If final, so state)     |
| 25X1   | (If final, so state)                |
| ontractor  |                                     |
| ddressLos Apreles, Californi   |                                     |
| ommodity/Service   | fication Co Unclassified            |
| o. Of Prototypes Contra  | ct Completion Date 30 Ame 1962      |
| he Contract is on schedule:  |                                     |
|  | allocated funds: Yes Yes            |
| n extension of time will be necessary  | AT                                  |
| All phases of the technical progress a   |                                     |
| The overall performance of this Contra   |                                     |
| NOTE: If unsatisfactory or subject to  | /                                   |
| provement indicate reasons und   | ler                                 |
| 25X1   | <del></del>                         |
| Comments: A owner was en   | proved by the Tuchnical Davelopment |
| Committee. Work is proceeding.   |                                     |
|  |                                     |
|  |                                     |
|  |                                     |
| Recommended Action:  |                                     |
| TIC COMMONAGE TO THE TOTAL PROPERTY OF THE T |                                     |
|  |                                     |
|  | Lant: July 1962                     |
| - CONTROL PI   |                                     |
| Date of last visit to Contractor's Pl  |                                     |
| Date of last visit to Contractor's Pi  | Inspected by                        |

| O: Inspection Branch/PD/OL  | DATE 5 July 1962                | -           |
|---|---------------------------------|-------------|
| EPORT PERIOD: 3000 1962   | CONTRACT #                      | -<br>-      |
|   | REPORT # S (If final, so state) |             |
| 25X1  | (If final, so state)            |             |
| ontractor   |                                 |             |
| ddress Los Angeles, California  |                                 |             |
| Commodity/Service Classifi  | cation SC-O Unclassified        |             |
| O. Of PrototypesContract  | Completion Date 30 June 1962    | <del></del> |
| The Contract is on schedule: Ye   |                                 |             |
| The Contractor will remain within his al  |                                 | )           |
| An extension of time will be necessary:   |                                 |             |
| All phases of the technical progress are  |                                 |             |
| The overall performance of this Contract  |                                 |             |
| the second se | /                               | , ,         |
| nore: If unsatisfactory or subject to a provement indicate reasons under comments.                              | r                               |             |
| <b>GG.</b>  |                                 |             |
| Comments: Contract acuitor vill visto determine validity of overrum.  | est week of 9 July              | <del></del> |
| 20 deservation Agranged on  |                                 |             |
| e e e e e e e e e e e e e e e e e e e   | " 25X1                          |             |
|   |                                 |             |
|   | :                               |             |
| Recommended Action:   |                                 |             |
|   |                                 |             |
|   |                                 | •           |
| Date of last visit to Contractor's Plan   | nt: 5 April 1060                | 2           |
| Date of Tabe Arbie of Committee a Table   |                                 |             |
|   | Inspected by:                   |             |
|   | Division & Extension TRS/3591   |             |

| TO: Inspection Branch/PD/OL  | DATE 27 April 1962 25.          |
|--|---------------------------------|
| REPORT PERIOD: Nov 1962  | CONTRACT #_                     |
| 25X1   | REPORT #(If final, so state)    |
| Contractor   |                                 |
| Address Los Angoles, Celifornia  |                                 |
| Commodity/Service Classificat  | cion <u>Unclassified</u>        |
| No. Of Prototypes 1 Contract Co  | ompletion Date 31 Merch 1962    |
| The Contract is on schedule: Yes   | <u>N</u> o                      |
| The Contractor will remain within his alloc  | cated funds: Yes No             |
| An extension of time will be necessary:  | Yes No                          |
| All phases of the technical progress are sa  | atifactory: Yes No              |
| The overall performance of this Contractor   | is: 📶 Satisfactory              |
| NOTE: If unsatisfactory or subject to improvement indicate reasons under comments. | ,                               |
| · ·  |                                 |
| Comments: Change in scope approved.  |                                 |
|  |                                 |
|  |                                 |
|  |                                 |
|  |                                 |
| Recommended Action:  |                                 |
|  |                                 |
|  | 25.                             |
| Date of last visit to Contractor's Plant:  |                                 |
|  | Inspected by                    |
|  | Division & Extension TRACS/3591 |

Approved For Release 2007/07/25: CIA-RDP78B04747A000100070017-2 TO: Inspection Branch/PD/OL DATE 19 March 1962 25X1 CONTRACT REPORT PERIODED: 19 Mar 62 REPORT # (If final, so state) 25X1 Contractor Los Angeles, California Image Enhancement Classification UNCLASSIFIED Commodity/Service Device Dec 61 No. Of Prototypes 1 Contract Completion Date The Contract is on schedule: x Yes \_\_\_\_No The Contractor will remain within his allocated funds: X Yes An extension of time will be necessary: Yes X No All phases of the technical progress are satisfactory: \_\_\_\_\_\_Yes\_\_\_ No Satisfactory The overall performance of this Contractor is: /z/ Subject to improvement NOTE: If unsatisfactory or subject to improvement indicate reasons under Unsatisfactory comments. Comments: NPIC EN submitting request for change in scope which will increase contract and change delivery to Jun 62. funding in the amount of 25X1 Recommended Action: 25X1

Inspected

Division & Extension TP&DS X2839

Date of last visit to Contractor's Plant: Nov-Dec 61

HF file

#### 25th MONTHLY PROGRESS REPORT

| Image Enl    | lancement Program      | 25X1  |
|--------------|------------------------|-------|
| Contrac      | Task Order No. 1       | 20/(1 |
| 1 December 1 | 962 to 18 January 1963 |       |

During the period covered by this report work has proceeded in accordance with the program outlined in the previous monthly with the following minor alteration: Phase A, the continuation of the laboratory experimentation, and Phase B, packaging for delivery have been combined in order to effect more economy.

Just prior to dismantling the laboratory setup in preparation for cabinet installation, a number of tests were run which indicated satisfactory results with regard to the overall uniformity and fidelity of the input and output scanning functions. The enclosed photographs are prints which illustrate the performance which was achieved. Print A is a photographic reproduction of the image which was scanned. Prints B and C are reproductions of the original negative material from the camera which photographed the output cathode ray tube. The enhancement circuitry was adjusted to achieve area scan filtering effects which are clearly evident in the photograph B. Print C was made without area scan filtering and only electronic high pass filtering. In both prints B and C the contrast of the smaller detail is increased while the contrast of large detail is decreased.

Work is currently under way on mounting all of the equipment in the console. It has been found possible to mount the output cathode ray tube immediately behind the front panel of the console in the area formerly reserved exclusively for control. This has been achieved by rearranging some of the electronics and will permit more ready access

and convenient operation. It is expected that the packaged equipment will be in operation in early February, thus permitting a resumption of the evaluation experiments. Our schedule for in-plant acceptance of the equipment to be delivered is 28 February 1963.